



PROPOSED RULE MAKING

CR-102 (June 2004)

(Implements RCW 34.05.320)

Do NOT use for expedited rule making

Agency: Board for Volunteer Firefighters and Reserve Officers (220)

- ☒ Preproposal Statement of Inquiry was filed as WSR 09-14-022 ; or
☐ Expedited Rule Making--Proposed notice was filed as WSR _____; or
☐ Proposal is exempt under RCW 34.05.310(4).

- ☒ Original Notice
☐ Supplemental Notice to WSR _____
☐ Continuance of WSR _____

Title of rule and other identifying information: (Describe Subject)

Actuarial tables, schedules, and factors.

Hearing location(s):

Board for Volunteer Firefighters and Reserve Officers
James R. Larson Forum Building
605 11th Ave, SE, Suite #207
Olympia, WA 98501

Date: November 20, 2009 Time: 10:00 AM**Submit written comments to:**

Name: Brigette K. Smith
Address: PO Box 114
Olympia, WA 98507
e-mail: bridgettes@bvff.wa.gov
fax: (360)586-1987 by (date) November 13, 2009

Assistance for persons with disabilities: ContactBrigette K. Smith by November 13, 2009TTY (360) 753-7318 or () _____**Date of intended adoption:** November 20, 2009
(Note: This is NOT the effective date)**Purpose of the proposal and its anticipated effects, including any changes in existing rules:**

Purpose: Amending WAC 491-02 to adopt new actuarial tables for use in calculating joint survivor pensions, survivor pensions, and lump sum settlements to reflect the latest actuarial study and the changes in mortality rates.

Reasons supporting proposal:

New tables produced by the Office of the State Actuary based upon new mortality rates.

Statutory authority for adoption: 41.24.290(2) RCW**Statute being implemented:****Is rule necessary because of a:**

Federal Law? ☐ Yes ☒ No
Federal Court Decision? ☐ Yes ☒ No
State Court Decision? ☐ Yes ☒ No
If yes, CITATION: _____

DATE
10/5/2009**NAME** (type or print)
Brigette K. Smith**SIGNATURE**
TITLE
Executive Secretary**CODE REVISER USE ONLY**

OFFICE OF THE CODE REVISER
STATE OF WASHINGTON
FILED

DATE: October 05, 2009
TIME: 9:31 AM

WSR 09-20-071

(COMPLETE REVERSE SIDE)

AMENDATORY SECTION (Amending WSR 03-22-024, filed 10/27/03, effective 1/1/04)

WAC 491-02-095 Actuarial tables, schedules, and factors.

This chapter contains the tables, schedules, and factors adopted by the board for volunteer firefighters and reserve officers pursuant to the authority granted by RCW 41.24.185 for calculating optional retirement allowances of members of retirement systems administered by the board. These tables, schedules, and factors were adopted by the board upon the recommendation of and in light of the findings of the state actuary in his regular actuarial investigation into the mortality, service, compensation, and other experience of the members and beneficiaries of such retirement systems. The tables, schedules, and factors contained in this chapter shall govern the retirement allowances only of members retiring during the period from January 1, ((2004)) 2010, until such time as these tables, schedules, and factors are amended by the board following the next actuarial investigation conducted by the state actuary. The retirement allowances of members retiring before January 1, ((2004)) 2010, shall continue to be governed by the tables, schedules, and factors in effect at the time of each member's retirement. Any new tables, schedules, and factors adopted by the board in the future shall govern retirement allowances only of members retiring after the adoption of such new tables, schedules, and factors.

Board for Volunteer Firefighters and Reserve Officers

Table #1

Joint/Survivor Pension

Option 2 (Joint and 100% Survivor Pension with Pop-up)

(WAC 415-02-380)

Member Younger		Member Older	
Age	Option 2	Age	Option 2
Difference	100%	Difference	100%
-20	((0.958)) <u>0.937</u>	0	((0.870)) <u>0.835</u>
-19	((0.955)) <u>0.933</u>	1	((0.862)) <u>0.829</u>
-18	((0.952)) <u>0.929</u>	2	((0.857)) <u>0.823</u>
-17	((0.949)) <u>0.925</u>	3	((0.844)) <u>0.818</u>
-16	((0.947)) <u>0.921</u>	4	((0.840)) <u>0.812</u>
-15	((0.944)) <u>0.916</u>	5	((0.836)) <u>0.807</u>

Member Younger		Member Older	
Age Difference	Option 2 100%	Age Difference	Option 2 100%
		30	((0.741)) <u>0.713</u>
		31	((0.740)) <u>0.711</u>
		32	((0.738)) <u>0.709</u>
		33	((0.737)) <u>0.708</u>
		34	((0.736)) <u>0.706</u>
		35	((0.735)) <u>0.705</u>
		36	((0.734)) <u>0.703</u>
		37	((0.733)) <u>0.702</u>
		38	((0.732)) <u>0.700</u>
		39	((0.731)) <u>0.699</u>
		40	((0.730)) <u>0.698</u>

Table #2
Survivor Pension
Early Retirement Factors
(WAC 415-02-320)

Years Early	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11
((0	1.0000	0.9933	0.9866	0.9799	0.9732	0.9665	0.9598	0.9531	0.9464	0.9397	0.9330	0.9263
1	0.9200	0.9133	0.9066	0.8999	0.8932	0.8865	0.8798	0.8731	0.8664	0.8597	0.8530	0.8463
2	0.8400	0.8333	0.8266	0.8199	0.8132	0.8065	0.7998	0.7931	0.7864	0.7797	0.7730	0.7663
3	0.7600	0.7558	0.7516	0.7474	0.7432	0.7390	0.7348	0.7306	0.7264	0.7222	0.7180	0.7138
4	0.7100	0.7058	0.7016	0.6974	0.6932	0.6890	0.6848	0.6806	0.6764	0.6722	0.6680	0.6638
5	0.6600	0.6558	0.6516	0.6474	0.6432	0.6390	0.6348	0.6306	0.6264	0.6222	0.6180	0.6138
6	0.6100	0.6058	0.6016	0.5974	0.5932	0.5890	0.5848	0.5806	0.5764	0.5722	0.5680	0.5638
7	0.5600	0.5558	0.5516	0.5474	0.5432	0.5390	0.5348	0.5306	0.5264	0.5222	0.5180	0.5138
8	0.5100	0.5067	0.5034	0.5001	0.4968	0.4935	0.4902	0.4869	0.4836	0.4803	0.4770	0.4737
9	0.4700	0.4667	0.4634	0.4601	0.4568	0.4535	0.4502	0.4469	0.4436	0.4403	0.4370	0.4337
10	0.4300	0.4267	0.4234	0.4201	0.4168	0.4135	0.4102	0.4069	0.4036	0.4003	0.3970	0.3937
11	0.3900	0.3867	0.3834	0.3801	0.3768	0.3735	0.3702	0.3669	0.3636	0.3603	0.3570	0.3537
12	0.3500	0.3467	0.3434	0.3401	0.3368	0.3335	0.3302	0.3269	0.3236	0.3203	0.3170	0.3137
13	0.3100	0.3083	0.3066	0.3049	0.3032	0.3015	0.2998	0.2981	0.2964	0.2947	0.2930	0.2913
14	0.2900	0.2883	0.2866	0.2849	0.2832	0.2815	0.2798	0.2781	0.2764	0.2747	0.2730	0.2713
15	0.2700	0.2683	0.2666	0.2649	0.2632	0.2615	0.2598	0.2581	0.2564	0.2547	0.2530	0.2513
16	0.2500	0.2483	0.2466	0.2449	0.2432	0.2415	0.2398	0.2381	0.2364	0.2347	0.2330	0.2313
17	0.2300	0.2283	0.2266	0.2249	0.2232	0.2215	0.2198	0.2181	0.2164	0.2147	0.2130	0.2113
18	0.2100	0.2092	0.2084	0.2076	0.2068	0.2060	0.2052	0.2044	0.2036	0.2028	0.2020	0.2012
19	0.2000	0.1992	0.1984	0.1976	0.1968	0.1960	0.1952	0.1944	0.1936	0.1928	0.1920	0.1912

Age	Factor	Age	Factor
24	$((12.6688761))$ <u>14.2845</u>	64	$((9.3601408))$ <u>10.2498</u>
25	$((12.6496453))$ <u>14.2570</u>	65	$((9.1682895))$ <u>10.0267</u>
26	$((12.6287501))$ <u>14.2277</u>	66	$((8.9710880))$ <u>9.7975</u>
27	$((12.6062073))$ <u>14.1965</u>	67	$((8.7693452))$ <u>9.5633</u>
28	$((12.5820349))$ <u>14.1633</u>	68	$((8.5617611))$ <u>9.3247</u>
29	$((12.5558736))$ <u>14.1277</u>	69	$((8.3481095))$ <u>9.0792</u>
30	$((12.5281256))$ <u>14.0898</u>	70	$((8.1282574))$ <u>8.8273</u>
31	$((12.4982502))$ <u>14.0495</u>	71	$((7.9049634))$ <u>8.5679</u>
32	$((12.4666517))$ <u>14.0068</u>	72	$((7.7673880))$ <u>8.3037</u>
33	$((12.4331717))$ <u>13.9619</u>	73	$((7.4434669))$ <u>8.0334</u>
34	$((12.3976573))$ <u>13.9146</u>	74	$((7.2070202))$ <u>7.7574</u>
35	$((12.3601450))$ <u>13.8648</u>	75	$((6.9674370))$ <u>7.4768</u>
36	$((12.3203083))$ <u>13.8125</u>	76	$((6.7250943))$ <u>7.1936</u>
37	$((12.2778326))$ <u>13.7574</u>	77	$((6.4800919))$ <u>6.9075</u>
38	$((12.2327750))$ <u>13.6993</u>	78	$((6.2326266))$ <u>6.6205</u>
39	$((12.1844828))$ <u>13.6378</u>	79	$((5.9832374))$ <u>6.3331</u>
40	$((12.1332130))$ <u>13.5726</u>	80	$((5.7325776))$ <u>6.0460</u>
41	$((12.0783450))$ <u>13.5034</u>	81	$((5.4813743))$ <u>5.7603</u>
42	$((12.0199820))$ <u>13.4300</u>	82	$((5.2319096))$ <u>5.4770</u>
43	$((11.9577175))$ <u>13.3520</u>	83	$((4.9851840))$ <u>5.2000</u>
44	$((11.8915114))$ <u>13.2693</u>	84	$((4.7422313))$ <u>4.9276</u>
45	$((11.8211694))$ <u>13.1816</u>	85	$((4.5041150))$ <u>4.6629</u>
46	$((11.7461884))$ <u>13.0887</u>	86	$((4.2722117))$ <u>4.4045</u>
47	$((11.6665967))$ <u>12.9903</u>	87	$((4.0482355))$ <u>4.1524</u>
48	$((11.5816343))$ <u>12.8860</u>	88	$((3.8341147))$ <u>3.9110</u>